

Title (en)

Process for the preparation of microporous films of ultrahigh molecular weight polyethylene.

Title (de)

Verfahren zur Herstellung mikroporöser Folien aus Polyethylen von ultrahohem Molekulargewicht.

Title (fr)

Procédé pour la préparation d'une feuille microporeuse en polyéthylène à poids moléculaire ultra-élevé.

Publication

EP 0378279 B1 19951108 (EN)

Application

EP 90200078 A 19900111

Priority

NL 8900078 A 19890113

Abstract (en)

[origin: EP0378279A1] The invention relates to microporous films of ultrahigh molecular weight polyethylene and to a process for the preparation thereof by forming a solution of UHMWPE in an evaporable solvent into a film and evaporating the solvent from the film at a temperature below the dissolution temperature, the shrinking tendency occurring in the film being prevented in at least one direction in the plane of the film.

IPC 1-7

C08J 5/18; **C08J 9/28**; **B29C 55/00**

IPC 8 full level

B29C 55/00 (2006.01); **C08J 3/09** (2006.01); **C08J 5/18** (2006.01); **C08J 9/28** (2006.01); **C08J 9/36** (2006.01); **C09K 3/10** (2006.01)

CPC (source: EP KR)

B29C 55/005 (2013.01 - EP); **C08J 3/092** (2013.01 - EP); **C08J 5/00** (2013.01 - KR); **C08J 5/18** (2013.01 - EP); **C08J 9/28** (2013.01 - EP KR); **B29K 2023/0683** (2013.01 - EP); **B29K 2105/04** (2013.01 - EP); **C08J 2201/0502** (2013.01 - EP); **C08J 2323/06** (2013.01 - EP)

Citation (examination)

EP 0183285 A1 19860604 - STAMICARBON [NL]

Cited by

EP0542346A1; EP0574588A4; EP0765900A1; US5830554A; US5843358A; US5338413A; EP0504954A1; US5376445A; US5503791A; EP0500173A1; US5370889A; US5507993A; EP0919586A4; US5624627A; US5650451A; US5674919A; US5840235A; US6497977B1; WO0139871A1; WO2019197353A1; US11999837B2; EP3766661A1; US11712832B2; US11951668B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0378279 A1 19900718; **EP 0378279 B1 19951108**; AT E130019 T1 19951115; DE 69023352 D1 19951214; DE 69023352 T2 19960718; JP 3274861 B2 20020415; JP H02232242 A 19900914; KR 900011834 A 19900802; KR 930004613 B1 19930601; NL 8900078 A 19900801

DOCDB simple family (application)

EP 90200078 A 19900111; AT 90200078 T 19900111; DE 69023352 T 19900111; JP 609890 A 19900112; KR 900000424 A 19900113; NL 8900078 A 19890113